

Abstract of the Disclosure

An enlarged digital image providing method and apparatus using data communication networks for effectively transmitting and displaying enlarged digital images via Internet, Intranet and mobile communication networks, the method for providing a digital image from a server to a client via digital networks and providing an enlarged digital image relative to a designated domain as a client for viewing a displayed image designates a specific domain of the displayed image for request of enlarged display, wherein the method comprises the steps of: creating an original digital image document via shooting an object; serially creating at least one reduced image document having a resolution lower than the original digital image document based on the original digital image document; divisibly storing the reduced image documents and the original digital image document into a multiplicity of segmental image documents; receiving a request when a client designates a specific domain of a display image (Level =  $r$ ,  $1 \leq r \leq N - 1$ ) currently displayed on a display window as a requested enlarged domain and requests transmission of enlarged image (Level =  $r + 1$ ) for enlarged display of the domain; and transmitting from server side to client side at least one segmental image document (Level =  $r + 1$ ) necessary for constructing an image of requested enlarged domain in response to contents of received request to prompt the transmitted segmental image document to be combined for

implementation of displayed image, whereby, when there is a request from client side for enlarged images or moved image displays, complicated operating processes to be implemented at server side can be greatly reduced, thereby enabling to 5 improve simultaneous access and providing a stable server enhanced of user environment at an inexpensive cost.